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XP-002239362

AN - 1994-031973 [04]

A - [001] 017 02& 04- 07- 08- 15- 18& 19- 20& 273 305 342 364 365 477 512
516 518 597 603 656 659 725

- [002] 017 028 075 147 198 231 240 255 31- 311 336 342 688 720 725

AP - JP19920171725 19920605; [Previous Publ. JP5339514] ; JP19920171725
19920605

CPY - TOXW

DC - A97 E23 G02

DR - 0930-U 1160-U 1714-U

FS - CPI

IC - C09B67/20 ; C09B67/46 ; C09D11/02

KS - 0013 0034 0037 0132 0135 0192 0222 0226 0231 1279 1581 1587 1588 1594
1985 2002 2014 2208 2319 2321 2556 2589 2662 2718 2792 2812

MC - A08-E04 E09-D01 E23-B G02-A03A G02-A04B

M3 - [06] G031 G032 G060 G730 H4 H401 H481 H581 H582 H583 H584 H589 H8 J0
J011 J2 J251 L660 L699 M210 M211 M213 M232 M240 M283 M311 M312 M313
M314 M315 M321 M322 M331 M332 M333 M340 M342 M383 M391 M392 M415 M510
M520 M530 M541 M782 M800 M903 M904 Q130 Q332; 03619; 9404-D5002-M;
1278-P 1544-S 1732-U 1532-P 1779-P 0517-U 0843-U

M4 - [01] G015 G017 G019 G100 H5 H543 H6 H602 H609 H643 H8 J0 J012 J3 J342
J5 J582 K0 K5 K534 K599 M1 M111 M210 M211 M262 M272 M282 M283 M311
M322 M343 M349 M381 M392 M414 M510 M520 M533 M540 M782 M903 M904 Q130
Q332 W003 W030 W113 W125 W131 W334 W530 W532 W543; R06480-M; 1278-P
1544-S 1732-U 1532-P 1779-P 0517-U 0843-U

- [02] A429 A960 C710 D000 E350 M280 M320 M411 M511 M520 M530 M540 M630
M782 M903 M910 Q130 Q332 W002 W030 W326 W334 W530 W532 W543 W904;
07541; R01160-M; 1278-P 1544-S 1732-U 1532-P 1779-P 0517-U 0843-U

- [03] D011 D019 D022 D029 E350 J5 J522 M210 M211 M240 M282 M320 M412
M511 M520 M530 M540 M782 M903 M904 Q130 Q332 W003 W030 W334 W530 W532
W543; 06261; R04772-M; 1278-P 1544-S 1732-U 1532-P 1779-P 0517-U 0843-U

- [04] D011 D019 D023 E570 H1 H182 H2 H202 H6 H602 H608 H642 M210 M212
M273 M282 M320 M412 M511 M520 M530 M540 M782 M903 M904 Q130 Q332 W003
W030 W334 W530 W532 W543; 07548; R10322-M; 1278-P 1544-S 1732-U 1532-P
1779-P 0517-U 0843-U

- [05] D023 D029 E350 K0 L9 L951 L999 M280 M320 M412 M511 M520 M530 M540
M782 M903 M904 Q130 Q332 W003 W020 W030 W334 W530 W532 W543; 07265;
9404-D5001-M; 1278-P 1544-S 1732-U 1532-P 1779-P 0517-U 0843-U

PA - (TOXW) TOYO INK MFG CO

PN - JP2939393B2 B2 19990825 DW199940 C09B67/46 005pp

- JP5339514 A 19931221 DW199404 C09B67/46 006pp

PR - JP19920171725 19920605

XA - C1994-014769

XIC - C09B-067/20 ; C09B-067/46 ; C09D-011/02

AB - J05339514 A novel pigment compsn. consists of 100 pts. wt. of an
organic pigment and 0.2-20 pts. wt. of an alkylene oxide-adduct of
rosin cpd. A novel pigment dispersion consists of the pigment compsn.,
and a printing ink vehicle or a paint vehicle.

- USE/ADVANTAGE - Used for off-set ink and gravure ink, and as a
colouring agent of paints. Compared to conventional pigment compsns.,
it has excellent wetting property to vehicles and less aggregation
among the primary particles, providing excellent dispersibility and

flowability.

- In an example, coarse copper phthalocyanine blue (95% purity) 500 pts., salt 2000 pts. and diethylene glycol 550 pts. were mixed, kneaded at 100 deg.C; added with ethylene oxide adduct of natural rosin 25 pts.; and kneaded further. The mixt. was put in water 10000 pts., and stirred at 80 deg.C until the salt and diethylene glycol dissolved. Then 98% sulphuric acid 50 pts. was added, stirred, filtered and washed with water until it became neutral, producing a paste type pigment compsn. By drying and granulating, 490 pts. pigment compsn. was obtd.(Dwg.0/0)

CN - 9404-D5002-M R06480-M R01160-M R04772-M R10322-M 9404-D5001-M

DRL - 1278-P 1544-S 1732-U 1532-P 1779-P 0517-U 0843-U

IW - PIGMENT COMPOSITION PIGMENT DISPERSE OFFSET INK CONTAIN ORGANIC PIGMENT ALKYLENE OXIDE ADDUCT ROSIN COMPOUND

IKW - PIGMENT COMPOSITION PIGMENT DISPERSE OFFSET INK CONTAIN ORGANIC PIGMENT ALKYLENE OXIDE ADDUCT ROSIN COMPOUND

NC - 001

OPD - 1992-06-05

ORD - 1993-12-21

PAW - (TOXW) TOYO INK MFG CO

RRL - 03619 07541 06261 07548 07265

TI - Pigment compsn for pigment dispersion for offset ink, etc - contains organic pigment and alkylene oxide adduct of rosin cpd

A01 - [001] P0000 ;

- [002] ND01 ; ND04 ; Q9999 Q7158-R Q7114 ; Q9999 Q8797 Q8775 ; B9999 B3554-R ; B9999 B3430 B3372 ; B9999 B5390 B5276 ;

- [003] A999 A748 ;

- [004] D01 D08 D25 D22 D35 D45 D55 D51 D56 D59 D95 F08 F07 F17 Cu 1B Tr ; A999 A102 A077 ; B9999 B4262 B4240 ;

A02 - [001] R24027-R P0599 D01 D60 F35 ; H0226 ; M9999 M2200 ; A999 A782 ; A999 A748 ;

- [002] G1558-R D01 F47 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D82 F47 ; H0000 ; H0226 ; M9999 M2153-R ; M9999 M2200 ; A999 A782 ; A999 A748 ; P0055 ; P0975 P0964 F34 ;

- [003] H0226 ;